

X-Ray Absorption Spectra of Ni, Cu, and Zn Ions in
Aqueous and Monaqueous Solutions, by E. Ye.
Vainshtein, V. S. Kavetsky, *4pp.*

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 775-778.

MSF 141

Scientific - Physics

CTS/DEX

8354

See Manuscript 54/0791

Characteristic Functions of Acoustic Signals
V. M. Vakhnin, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 779-782

RSP Tr 166

Scientific - Electronics
CTS/DEX

8909

Sci Museum Lib 54/0897

Effect of Temperature on Light Absorption in Thin
and Extra-Thin layers of Silver, by A. G. Gumenyuk. 5

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 783-786.

NSF Tr 171

USSR
Scientific - Physics

Jan 54 CTS

8928

Sci Museum Lt 54/0887

Properties of the Superconducting Modification of
Bismuth, by N. V. Zavaritsky.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 787-790.

NSF Tr 172

USSR
Scientific - Electricity

8929

Jan 54 CTS

2014-545

The Modulation Method of Measuring Dispersion of
Ultrasonic Radiation, by V. A. Zverev, 4 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Akad Nauk SSSR, Vol XCI,
No 4, 1953, p 791: 794

NSF 133

Scientific - Physics

CTB/DEX

See manuscript 54/0900 8346

On the Theory of Magnetic Susceptibility of Thin
Layers of Metals at Low Temperatures, by I. M.
Lifshits, A. M. Kosevich, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 795-798.

NSF 156

8537

Scientific - Minerals/Metals
ETS/DEX

Electrolytic Heating as a Means of Improvement of
Drawing Processes, by S. I. Gubkin, V. S. Mares, 4 pp

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 803-806.

NSF 142

Scientific - Physics

REF CTS/DEX

The document is 54/0780 8357

Passive Radiation Systems in Wave-Guides, by
H. L. Levin.

RUSSIAN, thrice-mo per. Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 807.

NSF Tr 167

USSR
Scientific - Physics

Jan 54 CTS

8932

Study of Phase Transformations by Internal
Friction Method, by K. M. Rozin, B. N. Finkelshtein,
^{3 pp}
Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 811-812.

REF 143

Scientific - Physics

CTB/DEK

By Mr. Tol 3303 8358 5250
Sci Museum Lib 54/0789

Glycol Esters of Pyrophosphorous Acid, by
B. A. Artuzov, 8 pp.

RUSSIAN, thrice no per, Dok Ak Nauk SSSR, Vol 91
No 4, 1953, pp817-820.

Sci Tr Ctr RT-3838

Sci - Chemistry
Aug 56 CTE/dax

37,530

The Thermal Chlorination of N-heptane, by
R. S. Galanina, 7pp.
RUSSIAN, per, Doklady Akademiyi Nauk, Vol
91, No 4, 1953, pp 829-832.
CFSTI TT-64-20177.

322,322

Sci - Chemistry
Mar 67

The Reaction of Neutral and Acid Esters of Phosphorous Acid with Esters of Halo-substituted Aliphatic Acids, by Gil'm Kamay, V. A. Kukhtin, 7pp.

RUSSIAN, thrice-no pr, ²Dok Ak Nauk SSSR, Vol XCI, No 4, 1953, pp 837-839.

Sci Tr Ctr RT-3847

Sci - Chemistry
Aug 56 CTS/dex

37,536

Precipitation of Ni_3Ta From Alloys of ~~NiTa~~ Nickel
Tantalum Binary System, by I. I. Kornilov, E. N.
Pylayeva.

RUSSIAN, per, Dok Ak Nauk, Vol XCI, 1953, pp 841-843.

9212193

9 AEC-UCRL-TR-969

Sci - Mat & Met

Aug 63

Investigation of Oxidation of 1-C¹⁴-Butane and
a Theory of Destructive Oxidation, by G. I.
Feklisov, M. B. Neiman.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI, No 4,
1953, pp 877-880.

MLL M. 4805

Sci - Chem

207, 794

Jul 62

Some Physical Properties of Pb - Sb Alloys, by
~~XXXXXXXXXXXXXXX~~ V. A. Yurkov, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCI, 1953, pp 891-893.

AEC Tr 2231

Scientific - Physics
CTS 73/Oct 1955

27,820

Spectral Properties of Reduced Chlorophylls a and b,
by V. B. Evstigneyev, V. A. Gavrilova, 4 pp.

RUSSIAN, three-no per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, pp 899-902.

36, 101
Sci Tr Center RT-3714

Scientific - Chemistry

AEC - 2156

Jun 56/dex

(FDD 20154)

Phosphorus Metabolism in the Brain During the
Excitation of the Higher Nervous Activity, by A. V.
Palladi, A. A. Rybins, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Nov Ser,
Vol XCI, No 4, Moscow/Leningrad, 1953, pp 903-905.

CIA/FDD/U-5601

USSR

Sci - Med

Mar 54 CTS

11,668

Problem of Phase Composition of Some Lime-Chromium Slags
With Special Consideration of the Characteristic Water-
Solubility of Their Lime Component, by D. S. Belyankin,
V. V. Iapin. UNCLASSIFIED.

thrice-mo

RUSSIAN, /per, Dok Ak Nauk SSSR, Vol XCI, No 4, 1953,
pp 911-914.

Brutcher Tr No 3305

19,303

Scientific - Min/Metals

(DD 21901)

New Application of Radioisotopes for Accelerated Determination of Vitamins, by M. N. Meysel', M. A. Pomoshchnikova, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov Ser, Vol. XCI, No 4, Moscow, 1 Aug 1953, pp 953-955.

CIA/FDD/U-6491

USER

Sci - Chemistry, microbiology, radioisotopes

18,987

Table of Contents of Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953. *5pp.*

RUSSIAN.

Ordinance Technical Intelligence, Sv,
Aberdeen Proving Ground, Md.
Report OTIO 106

CIA 2509768

Absorption Spectra of Molecular Complexes of Aromatic Amines With Quinoline Layers. Investigation of the Absorption Spectrum of the Molecular Complex 4-(n-Dimethylaminostyryl) Quinoline + 1-Ethyl-2-Styrylquinoline Iodide, by V. A. Izmail'skiy, P. A. Solodkov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol **XCI**, No 5, 1953.

CIA/FDD XX-1115
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Mar 62

185, 951

USIR INTERNAL USE ONLY

Khefn, A. L.
UNSTEADY FLOW OF LIQUID AND GAS TO A PERFORATED WALL OF A DRILL HOLE AT CONSTANT GAS OIL RATIO. Sp. 3 refs. MTWL: 739.
Order from OTS or ITC \$1.55 61-17284

Trans. of Akademika Nauk SSSR. Doklady, 1953, v. 91, no. 5, p. 1039-1042.

DESCRIPTORS: *Fluid flow *Porous materials, Mining engineering, Gas flow.

61-17284

- I. Khefn, A. L.
- II. MTWL-739
- III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

the Unsteady Filtration of a Flow, and Derivation
of an Equation for Unsteady Filtration, by
V.M. Shestakov, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, pp 1047-1050.

Sci Tr Center
RT-4074

39,856

Sci - Physics
Oct 1956 CTS/acc

On the Magneto-Hydrodynamic Motion in Solar
Protuberances, by A. B. Severnyi. UNCLASSIFIED

RUSSIAN, thrice-no. per. Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, pp 1051-1054.

Handwritten: RT-204
Navy Tr 975/NRL 467

Handwritten: 11, 920

Scientific - Physics

Handwritten: also Sci Trans Center RT-881

Kinetics of Luminescence of Silver Halide Salts, by
V. A. Arkhangelskaya, P. P. Feofilov. 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1055-1058

REF Tr 173
SLA RT-528

USSR

Scientific - Electricity

Sci Mus Lib 54/6990

Jan 54 CTS

8930

CTS TT-62-28158 (RUSSIAN to FRENCH)

On the Theory of the Fine Structure of the X-Ray
Absorption Spectra of Ions in Solutions, by
E. Ye. Vainshtein. 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1059-1062. *U2 H 90-2136*
SEP 1953
NSF Tr 168

USSR
Scientific - Physics

RT-827 *8933*
Sci Mus Lib 54/1005 Jan 54 CTS

Perception of Brief Variations in Brightness, by
Luizov

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1063.

RT-867
NSF Tr 199

Astrophysics
Scientific - ~~Chemistry~~
CTS/DEX

9569

Redistribution on the Intensities of Spectral Lines
of Elements in a Discharge in Argon, by K. N.
Mochalov, Ye. L. Raff. *4 pp*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1067- *1070*

NEF Tr 174

USSR
Scientific - Physics

Jan 54 CTS

8923

Sci Mus Lib 54/1000

Influence of the Adsorption of Gases and Vapors on
the Characteristic Photoelectric Effect of ZnO
and on the Photoelectric Effect of ZnO Sensitized
by Chlorophyll and Similar Pigments, by Ye. K.
Putseiko, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1071-1074.

NSI 149

Scientific - Chemistry
CTS/DEX

8532

Sci Museum Lib 54/0890

Threshold of the Secondary Electron Emission of Nickel
and Molybdenum, by A. R. Shulman, Ye. I. Myakinin, *4 pp.*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXI,
No 5, 1953, p 1075-1078

NSF Tr 177

Scientific - Minerals/Metals
CTS/DEX

9392

Sci Mus Lib 54/1002

(FDD 21176)

How the Energy of the Wind Is Transferred to the Waves, by V. V. Shuleykin, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov Ser, Vol XXI, No 5, Moscow/Leningrad, 1953, pp 1097-1082.

CIA/FDD/U-6052

USSR

Sci - Geophysics, wind-wave energy

Jul 54 CTS

17,250

Melting Temperatures of Tin and Lead at Pressures
Reaching $34,000 \text{ kg/cm}^2$, by V. P. Butuzov, M. G.
Gonikberg, 2 pp.

Full translation.

RUSSIAN, thrice-mo per; Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1083-1084.

MSF 144

Scientific - Physics

CTS/DEX

54/5772
8359

Effect of the Ratio of Rubbing Surface to Hardness on
Slipping Conditions of Machine Parts in Contact,
by D. N. Garkunov, I. V. Kragelsky. 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1085-1088.

NSF Tr 178

9393

Scientific - Engineering
CTS/DEX

sci MWS Lib 54/0993

Study of a Deformed State by Radioactive Isotopes,
by S. I. Gubkin, S. A. Dovnar, 2pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1089-1090.

NSF 145

Scientific - Physics

CTS/DEX

8360

See document 54/0779

Two-Mirror Concentrator of Ultrasonic Waves, by
L. D. Rozenberg.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XCI, No 5, 1953, p 1091.

NSF 146

Scientific - Physics

CTS/DEX

8363

Investigation of the Mechanism of Reaction of
~~the~~ Accelerators of the Vulcanization of Caoutchouc,
by G. A. Blokh,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI, No 15,
1953, pp 1107-1110.

Sci Mus Sib 57/0113

Co-op Tr Sch No 102
L1.12s.(4s. Od.)

Scientific - Chemistry Apr 55 C/S

22,577

Synthesis of Physiologically Active S^{35} - Labeled
Compounds, by Yu. V. Markova, A. M. Pozharakaya,
V. I. Maimin, T. F. Zhukova, N. A. Kosolapova,
M. N. Shchukina, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. 101, 1953,
pp 1129-1132.

ARC Tr 2537

Sci - Chemistry
Aug 1956 CTS/dex

37,486

The Kinetic Method for Studying the Mechanism of
Chemical Reactions by Means of Tagged Atoms, by
M. B. Neiman, G. I. Feklisov, 7 pp.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol XXCI, 1953,
pp 1137-1140. 9218764

AEC-SC-T-521

Sci-US
Jan 64

248, 346

The Nature of the Alkylation of Benzene by Propylene With Various Catalysts in the Presence of Diisopropylbenzene, by Ya. M. Paushkin, A. V. Topchiev, M. V. Kurashev, 5 pp.

RUSSIAN, thrice-to per, Dok Ak Nauk SSSR, Vol XCI, No 5, 1953, pp1141-1144.

Sci Mus Lib No 54/0294

Scientific - Chemistry
CTS/DEX

11,390

Mechanism of Filtering Off Disperse Phase
of Emulsions, by S. S. Voyutsky, K. A.
Kalyanova, R. M. Panich, N. M. Fodiman.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI,
1953, pp 1155-1158.

Consultants Customs Tr
~~001-197B~~
\$21.00

Sci - Chem

Mar 59

83,455

The State of Alumina in Molten Slag, by O. A.
Esin, B. M. Lepinskikh.

RUSSIAN, thrice-wo per, Dok Ak Nauk SSSR,
Vol XCI, No 5, 1953, pp 1187-1190.

Nat'l Res Council
TF.579

37,899

Sci - Minerals/Metals

Aug 1956

Synthesis of Physiologically Active Compounds
Labelled With Sulphur by I.U.V. Markova.

RUSSIAN, per, Doklady Akademiyi Nauk, S.S.S.R.,
Vol XCI, No 5, 1953, pp 1189-1192

CSIRO

12

Oct. 62

Table of Contents of Dok Ak Nauk SSSR, Vol XCI,
No 6, 21 Aug 1953. *4 pp*

RUSSIAN.

Ordnance Technical Intelligence Sv,
Aberdeen Proving Ground, Md.
Report OTIO 101

CIA 2509763

Flow, With Convective Heat Exchange, of a Viscous
G s in a Cylindrical Pipe, by S. V. Romanenko,
4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 6, 1953, pp 1289-1292.

Sci Trans Center RT-921

Scientific - Engineering
CTB/DEX

14,056

Charny, I. A.
BREAKTHROUGH OF BOTTOM WATER IN AN OIL
WELL. 6p. MTWL: 748.
Order from OTS or ETC \$1.55

61-17268

Trans. of Akademiya Nauk SSSR. Doklady, 1953,
v. 91, no. 6, p. 1293-1296.

DESCRIPTORS: *Mineral oil, Production, Water,
Hydrology, Theory.

61-17268

- I. Charny, I. A.
- II. MTWL-748
- III. Stichting Moellijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Wide-Band Radio Interferometer, by V. V. Vitkevich,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XXI, 1953, p 1301. 1303

7/26/54
Morris D. Friedman *V-109*
\$2.50

Scientific - Physics

OTS 67/Apr 55

22,952

OTS 63-1691

FTD-TT-65-821
9698648

On the Stretching of Polymer Chains, by M. V.
Volkenshtein, O. B. Ptitsyn.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 6, 1953, p 1313.

NSF 134

Scientific - Physics

CTE/DEX

8349

On the Neutrino Charge of Elementary Particles, by
Ya. B. Zeldovich, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, Vol XCI, No 6,
1953, p 1317-1320.

Lit memo + LT 506
NSF Tr 124

Scientific - Physics

CTS/DEX

Lit memo Lit 54/7317
54/8219

On the Theory of Ion Currents to Probes at Low Pressures, by Yu. M. Kagan, V. I. Perel. 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI, No 6, 1953, p 1321-1324.

NSF Tr 179

Scientific - Physics
CTS/DEX

9395

Sci Mus Lib 54/0996

(NY-1650)

The Precipitation of Particles From an Aerosol
Current on an Obstruction, by L. M. Levin, 8 pp.
UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCI, No 6, Moscow, 21 Aug 1953, pp 1329-1332

US JPRS/NY-L-221

Accession No. L-1829

Sci - Physics, aerosols

66,093

TT-62-28255

Nesmeyanov, A.N., Reutov, O.A., and Ptitsyna, O.A.
SUR LES NOUVELLES POSSIBILITÉS DE SYNTHÈSE
DES COMPOSÉS ORGANO - ANTIMONIQUE AU MO-
YEN DES SELS DE DIAZONIUM DE TRICHLORURE
D'ANTIMOINE (O Novykh Vozmozhnostyakh Sinteza
Sur'myano-Organicheskikh Soedinenii Cherez Diazo-
nievye Soli Trekhkhloristoi Sur'my) (On the Next Pos-
sibilities of Synthesizing Organo-Antimonic Compounds
by Means of Diazonium Salts of Antimony Trichloride).
13p. (foreign text included) 6 refs. CNRS-VIII bis 662.
Order from OTS, ETC or CNRS \$0.80

- I. Nesmeyanov, A.N.
- II. Reutov, O.A.
- III. Ptitsyna, O.A.
- IV. CNRS-VIII bis 662
- V. Centre National de la Recher-
che Scientifique, Paris

Trans. In French of Akademiya Nauk SSSR Doklady,
1953, v. 91, no. 6, p. 1341-1344.
Another trans. is available in English from SLA as
RT-2258, 11p.

DESCRIPTORS: *Antimony compounds, *Organic com-
pounds, Azo radicals, Salts, Chlorides.

(Chemistry--Organic, TT. v. 11, no. 7)

Office of Technical Services
European Translations Centre

Photochemical Oxidation of Propane, Sensitized
by Bromine, by G. B. Sergeyev, V. Ya. Shtern,
8 pp,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCI, No 6, 1953, pp 1357-1360.

Sci Tr Center
RT-1985

Scientific - Chemistry

Mk Mar 55 CTS

22,176

Table of Contents of Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953. 5 pp.

RUSSIAN.

Ordnance Technical Intelligence Sv,
Aberdeen Proving Ground, Md.
Report OTIO 102

CIA 2509761

Charny¹, I. A.
CALCULATION OF THE RECOVERY OF A PARTIALLY
PENETRATING WELL AT BREAKTHROUGH OF BOTTOM
WATER OR GAS; 8p. 2 refs. MTWL: 728.
Order from OTS or ETC \$1.55 61-17311

Trans. of Akademiya Nauk SSSR. Doklady 1953,
v. 92, no. 1, p. 17-20.

DESCRIPTORS: *Mineral oil, Production, Water,
Gases, Penetration.

61-17311

- I. Charny¹, I. A.
- II. MTWL-728
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Possibility of Observing Monochromatic Radio
Emission From Interstellar Molecules, by I. S.
Shklovskiy. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 25-28.

Air Res and
Dev Command
T-240 RU

Scientific - Astronomy

CPS 67/Apr 55

22,937

The Magnitude of the Optical Anisotropy of the
Benzene and Carbon Disulfide Molecules as Determined
by Light Scattering in Solutions, by M. F. Vuks,
V. I. Yelfimov. 4pp

RUSSIAN, thrice-mo per. Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, p 29-32.

NSF Tr 175

USSR
Scientific - Physics

Jan 54 CTS

8925

Sci Mus Lib 54/1006

Interference Method of Measuring Correlation Coefficients
of Stationary Noises, by S. G. Gershman, 547.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, p 33-35.

NSF 157

Scientific - Physics
CTS/DEX

8538

See memo. Lit 54/0826

On the Agglomeration of Amorphous Bodies, by Ya.
Ye. Geguzin. 4 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, p 45-48

NSF Tr 180

Scientific - Physics
CTS/DEX

9394

Sci Mus Lib 54/994

/Effect of Water and Alcohol on the Grinding of
Metals, by V. D. Kuznetsov, V. D. Taranenko, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, p 49-52.

NSF Tr 181

Scientific - Minerals/Metals
CTS/DEX

9396

Sci Mus Lib 54/0998

Flow of a Visco-Plastic Dispersion System in a
Conical Diffuser, by Tyabin, Pudovkin

RUSSIAN, thrice-mo per, Dok Ak Nauk Vol XCII, No 1,
p 53.

NSF 209

Scientific - Expt Physics

CTS/DEX

9676

The Effect of the Size and Structure of Radicals
on the Rate of Isomerization of Esters of
Phosphorous Acid, by A. E. Arbuzov, L. V.
Nesterov, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 57-60.

NIH

Scientific - Chemistry

Dec 54 CTS

20,360

Oil Shales in Baltic and Investigation of the
Condensed Aromatic Carbohydrates of the
Oil Shale Cracking Kerosene, by S.-I. Mironov,
10 pp.

rel author: Z. T. ZOND V Z
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953.

pp 65-68

Navy Tr 1220/ONI A-822a

Scientific - Fuels
CTS 73/Oct 1955

28,095

The Resolution of Asymmetric Four-Covalent
Phosphonium Compounds Into Optically Active
Components, by Kamal Gil'm, L. Khismatullina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XIII, No 1,
1953, pp 69-71.

NIL RTS 2227

Sci -
Jul 63

238,166

The Nature of the Activation of Palladium by
Oxy-Hydrogen Gas, by O. V. Krylov, S. Z. Roginskiy,
I. I. Tret'yakov, 2 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, SSSR,
Vol XCII, 1953, pp 75-76.

CIA/FDD/Z-124

Scientific - Chemistry

19,049

Mechanism of the Rearrangement of Aromatic
Amino and Hydroxysulphonic Acid Salts,
by E. A. Shilov, M. N. Bogdanov, A. E. Shilov,
5 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No
1953, pp 93-96. ¹ *No1*

23,524 Sci Mag Lib Tr No 55/0385

Scientific - Chemistry

May 55 CTS

Catalytic Activity of Metal and Platinum-~~IR~~Gold
Alloys in the Oxidation of SO_2 , by G. K.
Borshkov, M. G. Slin'ko, E. I. Volkova, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, pp 109-110.

Sci Mus Lib No 54/0291

Scientific - Minerals/Metals
CTS/DEX

11,347

The Sorption of Water Vapor by Active
Carbons, by M. M. Dubinin, E. D. Zaverine,
6 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, Encl to NA, London,
Ser 486-S-55, pp 111-114.

Scientific - Chemistry
CTB 71/Aug 1955

TPA3/TIB T 4329

Sci Group Lib 25/17/8

26,148

Surface Tension and Heat of Vaporization of
Metals, by S. N. Zadumkin.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 115-118.

Brutcher Tr
No 3330

DEPT. OF M-1769
(LORN)

Scientific - Minerals/Metals

CTS/DEX

20,092.

312 AI/Tech No 16

V
Steric Factors of Some Simple Reversible Reactions
Combining Atomic Hydrogen With Unsaturated Molecules,
by A. D. Stepukhovich.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, pp 127-130.

Sci Tr Center
#ATT 438

Navy In 3468/APR 653

17,450

Scientific - Chemistry

Timofeev, B.V. and Karimov, A.K.
VEGETABLE RESIDUES IN MINERAL OIL. 4 p.
MTWL: 667.
Order from OTS or ETC \$1.40 61-17199

Trans. of Akademiya Nauk SSSR, Doklady, 1953,
v. 92, no. 1, p. 151-152.

DESCRIPTORS: *Mineral Oils, *Spores, Algae.

61-17199

- I. Timofeev, B.V.
- II. Karimov, A.K.
- III. MTWL-667
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

New Data on the Slag Pyroxenes of the Series
 FeSiO_3 - MgSiO_3 , by N. H. Kurtseva, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak NaukSSSR, Vol XCII,
No 1, 1953, pp 153-155.

SIA R-1210

May 58

63,922

Additional Light Absorption by Plant Leaves
in the Presence of Gaseous Carbon Dioxide,
by L. N. Bell, 4 pp.

RUSSIAN, three-mo per, Dok ak Nauk SSSR,
Vol XCII, 1953, pp 165-168.

May 58

SLA R-1295

OTS - 61 - 17194

64,601

Table of Contents, 6 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 2,
11 Sep 1953.

Ordnance Technical
Intelligence Service Aberdeen
Proving Ground, Maryland
Report No OTIO-116

1 per card only

CIA 2514446

The Magnetic Mass-Spectrometer in Combination With a
Wilson Cloud Chamber, by A. Alikhanyan, V.
Kirillov-Ugryumov, N. Shostakovich, V. Fedorov, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk BSSR, Vol XCII,
No 2, 1953, p 255-257.

NSF Tr 182

Scientific - Physics
CTS/DEX

R7423
9397

Sci Museum... Lib 54/0933

Magnetization Time of a Weak Solution of He^3 in He^4 ,
by A. Alkhiyzer, V. Aleksin 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 259-262.

NSF Tr 183

Scientific - Physics
CTS/DEX

Sci. Res. Lib 54/0989 9391

Determination of the ⁹N Number of Slow π^- and π^+ -Mesons
in Cosmic Rays at Various Altitudes, by Kh. P.
Babayan, I. I. Zinger, N. A. Marutyan 2 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 263-264.

EBF Tr 184

Scientific - Physics
CTS/DEX

9398

Sci Mus Lib 54/0991

Excitons in Cuprous Oxide Crystals at the Temperature
of Liquid Helium (4.2°K), by Ye. P. Gross, B. P.
Zakharchenya, N. M. Reinov. 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 265-267

NSF Tr 185

Scientific - Physics
CTS/DEX

~~93~~ 9406

D 51 Tr 185

Sci Mus Lib 54/0995

Use of a Narrow-Band Amplifier in Oscillographic
Investigation of the Electron Velocity Distribution
Functions in an Electrical Discharge, by Malyshev,
Pedorov. 3 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 269-271.

NSF Tr 186

XT-867

9262

Scientific - Electronics
CTS/DEX

-Sci Mus Lib 54/0999

X-Ray Absorption Spectra of Zinc in Molecules of
 ZnCl_2 , ZnBr_2 , and ZnS , by Harbutt

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 273.

NSF Tr 187

KT-869

Scientific - Physics
CTSK/DEX

9 264

Two-Nucleon Nuclear Transitions, by Bliv, Peker

3/4/54

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 277-279.

ESP Tr 188

RT-887

Scientific - Physics
CTS/DEX

9263

Sci Mus Lib 54/1003

On the Effect of the Hydrogen Bond on Raman Spectrum,
by Stekhanov

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 281.

NSF TR189

AT-889

Scientific - Physics
CRS/DEX

9265-

Clarification of Phase Diagram of Alumina-Silica
System, by P. P. Budnikov et al.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIII,
~~English~~, No 2, 1953, pp 281-283.

Brutcher Tr 3219

Scientific - Minerals/Metals
CTS/DEX Price \$2.80

9290

Dispersion of Sound Velocity in Certain Organic
Liquids, by Fabelinsky, Shustin . 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 285- 288.

NSF Tr 194

NT-842

Scientific - Physics
CTS/DRX

4269

Sci Mus Lib 54/1071

Determination of Vapor Density Behind the Anode and
Behind the Cathode of a Discharge Tube, by Shukhtin

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 289.

ESF Tr 193

RT-884

9267

Scientific - Electronics
CTS/DEX

On the Correspondence Between Relaxation and Rate
Characteristics in Plastic Extension, by Vasilyev

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 301.

NSF Tr 195

AT-895

Scientific - Physics
CTS/DEX

9270

Wear Resistance of Carbon Steel Subjected to
Rubbing in Certain Liquid Media After Diffusion
Chromizing, by Khrushchev, Babichev, Dubinin. 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 303-306.

HSF Tr 196

RT-858

Scientific - Minerals/Metals
CIS/DEX

9272

Sci Mus Lib 54/1072

Structure of Polyvinyl Alcohol, by E. I. Barg,
H. H. Mel'teva, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 2,
1953, pp 307-310.

CIA/X-1808

NLL M. 2885

USSR

Sci - Physics

26,334

Zhebrak, A. R.

Effect of Graft Upon Seed Progeny and Segregation of
F₂ Hybrids.

RUSSIAN, per, Dok, Ak Nauk, Vol. CVII, 1956, pp. 325-
327.

*PL 480
OTS 60-51030

Nov 61

Isomerization of Unsaturated $C_{12}-C_{16}$ Hydrocarbons, by
A. A. Petrov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
1953, pp 329-331.

Assoc Tech Svc

~~Assoc Tech Svc~~

+RJ-156

SLA R-1924

17.445

Scientific - Chemistry

Dehydrogenation of γ -Pentane, by B. A. Mironov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII, No 2,
1953, pp345-348.

Assoc Tech Svc
~~Sci & Prof Center~~
BJ-155

5 < A R-1923

17, 452

Scientific - Chemistry

Experimental Determination of the Sequence of
Addition of Elementary Reactions of Atoms
and Radicals, by L. I. Avramenko, R. V.
Kolesnikova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 2,
1953, pp 349-352.

Natl Res Council, Canada
TP No 761

EROL, Ft Belvoir T-1376

Sci - Physics

Apr 60

97/11/11 T-1376
7/2, 638

Catalytic Activity of Nickel, Palladium, and
Platinum in Relation to the Reaction of Oxidation
of Hydrogen, by G. K. Boreskov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, 1953, pp 353-355.

Assoc Tech Sv RJ-262
\$5.40

Scientific - Chemistry
CTS 73/Oct 1955

m/h 27,698

Influence of Pressure on the Reaction Rate of
Isotopic Ion Exchange, by M. B. Neiman, 8 pp

~~thrice~~
RUSSIAN, ~~3-r no~~, per, Dok Akad. Nauk SSSR,
Vol. XCII, No 2, 1953, pp 365-368. 7040719

Sci Trans Center RT-3183

32,049

Sci - Chemistry

A Vacuum Adiabatic ~~Calorimeter~~ Calorimeter and
Some new Data of the $\beta \rightleftharpoons \alpha$ - Transformation
of Quartz, by N. N. Sinelnikov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, pp 369-372.

Sci Mu Lib Tr 55/0843

25,173

Scientific - Engineering, Physics, Jul 55 CTB